IN THE CLAIMS

Please amend claims 1, 7, and 13 as indicated below.

1. (Currently Amended) An apparatus <u>of a data processing system</u>, comprising:

a <u>communication stack to communicate with another apparatus within the data</u>
<u>processing system over a point-to-point interconnect, the communication stack</u>
<u>having a transaction layer, a data link layer, and a physical layer, the</u>
<u>transaction layer to transmit a plurality of packets to the another apparatus in</u>
<u>serial over the point-to-point interconnect, each packet having</u> ~~a data path~~
~~output unit to output~~ a packet header, the packet header including a first field to
extend one of a second field [[or]] <u>and</u> a third field depending on the contents
of the second field.

2. (Original) The apparatus of claim 1, wherein the second field is a type field.

3. (Original) The apparatus of claim 2, wherein the third field is a length field.

4. (Original) The apparatus of claim 3, wherein the first field is used to extend the length field
when the type field indicates a memory read request transaction.

5. (Original) The apparatus of claim 4, wherein the first field is located between and
immediately adjacent to the type field and the length field in the packet header.

6. (Original) The apparatus of claim 5, wherein the type field is located in the first byte of the packet header to be output by the data path output unit.

7. (Currently Amended) An apparatus of a data processing system, comprising:

a communication stack to communicate with another apparatus within the data

processing system over a point-to-point interconnect, the communication stack

having a transaction layer, a data link layer, and a physical layer, the

transaction layer to receive a plurality of packets from the another apparatus in

serial over the point-to-point interconnect, each packet having a data path input

unit to receive a packet header, the packet header including a first field to

extend one of a second field or a third field depending on the contents of the

second field.

8. (Original) The apparatus of claim 7, wherein the second field is a type field.

9. (Original) The apparatus of claim 8, wherein the third field is a length field.

10. (Original) The apparatus of claim 9, wherein the first field is used to extend the length field when the type field indicates a memory read request transaction.

11. (Original) The apparatus of claim 10, wherein the first field is located between and immediately adjacent to the type field and the length field in the packet header.

12. (Original) The apparatus of claim 11, wherein the type field is located in the first byte of the packet header to be output by the data path output unit.

13. (Currently Amended) A system, comprising:

a point-to-point interconnect;

a transmitting device having a first communication stack including a transaction layer, a data link layer, and a physical layer, the transaction layer to transmit a plurality of packets serially onto the point-to-point interconnect, each packet having a packet header, the packet header including a first field to extend one of a second field or a third field depending on the contents of the second field; and

a receiving device communicatively couple to the transmitting device over the point-to-point interconnect, the receiving device having a second communication stack including a transaction layer, a data link layer, and a physical layer, the transaction layer to receive the plurality of packets serially from the transmitting device over the point-to-point interconnect packet header.

14. (Original) The system of claim 1, wherein the second field is a type field.

15. (Original) The system of claim 2, wherein the third field is a length field.

16. (Original) The system of claim 15, wherein the first field is used to extend the length field when the type field indicates a memory read request transaction.

17. (Original) The system of claim 16, wherein the first field is located between and immediately adjacent to the type field and the length field in the packet header.

18. (Original) The system of claim 17, wherein the type field is located in the first byte of the packet header to be output by the data path output unit.